

CLAIMS

1. (currently amended) A computer implemented method for expediting a selected operation in a computer system, the method comprising:

associating a plurality of routing operations with an operating system routing task, the plurality of routing operations including the selected operation, wherein the operating system routing task is one of a plurality of operating system tasks executed by an operating system included in the computer system;

executing the operating system routing task at a low priority level prior to performing the selected operation; and

raising the operating system routing task to a high priority level in order to perform the selected operation in response to a detection of a trigger condition comprising a link state advertisement protocol advertising message indicating that the selected operation is to be performed, wherein the raising the operating system routing task to the high priority level causes the operating system routing task to execute without being interrupted by at least one other operating system task running at the low priority.

2. (cancelled)

3. (previously presented) The computer implemented method of claim 1, wherein the operating system task is a routing task, and wherein the link state advertisement protocol message includes link status information.

4. (previously presented) The computer implemented method of claim 3, wherein the selected operation is a Dijkstra shortest path computation utilizing the link status information received in the link state advertisement protocol message.

5. (previously presented) The computer implemented method of claim 1, further comprising:

lowering the operating system task to the low priority level upon completion of the selected operation.

6. (currently amended) A computer device comprising:

an operating system stored on a computer readable medium, the operating system comprising:

an operating system task including logic which when executed performs a plurality of routing operations, the plurality of routing operations including a selected operation, wherein the operating system task is one of a plurality of operating system tasks executed by an operating system included in the computer system; and

the operating system including task priority control logic operably coupled to execute the operating system task at a low priority level prior to performing the selected operation and raise the operating system task to a high priority level in order to perform the selected operation upon detection of a trigger condition, the trigger condition comprising receipt of a link state advertisement protocol message, wherein the raising the operating system task to the high priority level causes the operating system task to execute without being interrupted by at least one other operating system task running at the low priority.

7. (cancelled)

8. (previously presented) A computer device of claim 6, wherein the operating system task is a routing task, and wherein the link state advertisement protocol message includes link status information.

9. (previously presented) The computer device of claim 8, wherein the selected operation is a Dijkstra shortest path computation utilizing the link status information received in the link state advertisement protocol message.

10. (previously presented) The computer device of claim 6, wherein the task priority control logic is operably coupled to lower the operating system task to the low priority level upon completion of the selected operation.

11. (currently amended) A program product comprising a computer readable medium having embodied therein a computer program for expediting a selected operation in a computer system, the computer program comprising:

task priority control logic programmed to execute an operating system task associated with a plurality of operations including the selected operation at a low priority level prior to performing the selected operation and raise the operating system task to a high priority level in order to perform the selected operation upon detection of a trigger condition including receipt of a link state advertisement protocol message, wherein the operating system task is one of a plurality of operating system tasks executed by an operating system included in the computer system, and wherein the raising the operating system routing task to the high priority level causes the operating system routing task to execute without being interrupted by at least one other of the plurality of operating system tasks running at the low priority.

12. (cancelled)

13. (previously presented) The program product of claim 11, wherein the operating system task is a routing task, and wherein the link state advertisement protocol message includes link status information.

14. (original) The program product of claim 13, wherein the operation is a Dijkstra shortest path computation utilizing the link status information received in the link state advertisement protocol message.

15. (original) The program product of claim 11, wherein the task priority control logic is programmed to lower the operating system task to the low priority level upon completion of the selected operation.